

Appendix C

SOURCES FOR FIGURE 2

Index of total machinebuilding output (official). N.kh. 1962, p. 168.

CIA index of civilian machinery output. CIA, Indexes of Civilian Industrial Production in the USSR 1950-1961, September 1963, p. 2.

Index of investment in machinery. Appendix Table C-1, item 4.B. This is a modification of the CIA index (ibid., p. 33) to take account of the machinery component of nonproductive collective farm investment and to revalue the series at producers' prices. In addition, ^{data} the investment series is lagged six months. The last two adjustments are required in order to compare the investment index with the production indexes. (As is the case with the original CIA index, investment by fishing cooperatives is ignored as negligible. The calculation proceeds in three steps:

1. The first step involves calculation of collective farm investment in machinery. Values in purchasers' prices are discounted by 15 per cent through 1960 and by 10 per cent in 1961-1962 to transform the data into producers' price values. (See text, p. 44.)

2. Investment in machinery by other sectors is discounted 10 per cent in all years to the same purpose.

3. Machinery investment by all sectors is summed and lagged half a year.

Residual machinery output index. Appendix Table C-2, column 6.

Appendix Table C-1
 CALCULATION OF AN INDEX OF SOVIET INVESTMENT IN MACHINERY, 1950-1962
 (billion rubles)

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
I. Collective farm investment														
A. Productive														
(1) Total	..	.836	.962	1.029	1.226	1.812	1.906	1.860	2.462	3.050	2.721	2.739	2.965	
(2) Less: construction- installation	..	.584	.692	.711	.827	1.164	1.241	1.247	1.325	1.779	1.770	
(3) Less: other non- machinery	..	.084	.096	.103	.123	.181	.191	.186	.246	.305	.272	
(4) Equals: machinery	..	.168	.174	.215	.276	.467	.474	.427	.891	.966	.679	.684	.740	
B. Nonproductive														
(1) Total	..	.074	.101	.139	.199	.288	.339	.323	.355	.404	.405	.380	.235	
(2) Of which: machinery	..	.007	.010	.014	.020	.029	.034	.032	.036	.040	.041	.038	.024	
C. Productive and non- productive investment in machinery	..	.175	.184	.229	.296	.496	.508	.459	.927	1.006	.720	.722	.764	
D. Total collective farm machinery at producers' prices	.125	.149	.156	.195	.252	.422	.432	.390	.788	.855	.612	.650	.688	.688
2. Investment in machinery by other sectors														
A. At purchasers' prices	3.118	3.114	3.318	3.433	4.173	4.987	6.275	7.017	7.714	8.340	9.306	10.479	11.487	
B. At producers' prices	2.806	2.803	2.986	3.090	3.756	4.488	5.648	6.315	6.943	7.506	8.375	9.431	10.338	10.855
3. Machinery investment by all sectors at purchasers' prices	2.931	2.952	3.142	3.285	4.008	4.910	6.080	6.705	7.731	8.361	8.987	10.081	11.026	11.543
4. Machinery investment lagged														
A. Values	2.942	3.047	3.214	3.647	4.459	5.495	6.393	7.218	8.046	8.674	9.534	10.554	11.285	
B. Index, 1955 = 100	53.5	55.5	58.5	66.4	81.1	100.0	116.3	131.4	146.4	157.9	173.5	192.1	205.4	

(continued)